INVESTIGATOR'S ANNUAL REPORT

National Park Service

All or some of the information provided may be available to the public

Reporting Year: 2004	**Park:** Shenandoah NP
Principal Investigator: Dr Alexander Konstantinov	**Office Phone:** 202 382-1790 **Email:** akonstan@sel.barc.usda.gov
Address: Systematic Entomology Lab., USDA, c/o Smithsonian Institution P. O. Box 37012 MRC-168 Washington, DC 20013-7012 US	**Office Fax:** n/a

Additional investigators or key field assistants (first name, last name, office phone, office email):

Name: Steven W. Lingafelter	**Phone:** 202 382 1793	**Email:** slingafe@sel.barc.usda.gov
Name: Charyn Micheli	**Phone:** 202 382 1793	**Email:** cmicheli@wam.umd.edu

Permit#:
SHEN-2004-SCI-0012

Park-assigned Study Id. #:
SHEN-00299

Project Title:
Flea beetles (Coleoptera: Chrysomelidae) of the Shenandoah National Park

Permit Start Date: Apr 28, 2004	**Permit Expiration Date** Apr 28, 2005
Study Start Date: Apr 28, 2004	**Study End Date** Apr 28, 2005

Study Status:
Continuing

Activity Type:
Research

Subject/Discipline:
Invertebrates (Insects, Other)

Objectives:
Flea beetles are one of the least known group of beetles in the United States. Flea beetles are also one of the most common beetles in many types of habitats, their associations with many host plants make them one of the most important components of forest ecosystems. There are about 60 genera and 500 species of flea beetles known from the United States, but the information about them is very poor and outdated, there are no modern revisions or any other attempts to classify this large group of beetles. My participation in the All Taxa Biodiversity Inventory at the Great Smoky Mountains National Park revealed a number of

undescribed species and new host associations, including the first leaf litter flea beetle (Konstantinov and Tishechkin 2004).

This study is part of an efforts to sample and understand the flea beetle fauna of the Appalachians. It is intended to collect as many flea beetle species as possible, sampling varios habitats and hosts, identify them, study their host association and habitats and by doing so collect material for ongoing revisions of flea beetles of the United States.

Findings and Status:
No activity was conducted this report year

For this study, were one or more specimens collected and removed from the park but not destroyed during analyses?
No

Funding provided this reporting year by NPS:	**Funding provided this reporting year by other sources:**

0	0
Fill out the following ONLY IF the National Park Service supported this project in this reporting year by providing money to a university or college	
Full name of college or university:	**Annual funding provided by NPS to university or college this reporting year:**
n/a	0